



MATERIALS FOR UNDER THE HOOD APPLICATIONS

Under the automotive hood are many critical applications including the powertrain, transmission, drive shaft, fuel systems and engine components. Automotive OEMs and their suppliers rely on plastics, which can withstand the high temperature under the hood environment and, in many cases, allow for a lightweight solution by reducing the number of parts needed per component. Plastics also play an important role in damping noise and vibrations, and are becoming an increasingly attractive option for replacing various metal components.

Formerra is dedicated to supporting transportation customers and various under the hood application needs with our comprehensive materials portfolio of polymers, colorants and additives. We are also available to assist in navigating complex under the hood application designs through collaboration with our supplier technical and design teams.



TYPICAL UNDER THE HOOD APPLICATIONS

- Tubing
- Housings
- Fender liners
- Sensors
- · Shrouds
- · Intake manifolds
- · Engine covers
- · Gaskets & seals
- · Electrical connectors
- Reservoirs
- · Radiator fans
- · Fuel cells



- · High heat resistance
- · High wear resistance
- Excellent durability
- · High impact resistance
- · Good chemical resistance
- Thermal stability

SOLUTIONS FOR UNDER THE HOOD APPLICATIONS

Supplier	Chemistry	Product Name
Avient	Color, Additives & Inks, PA 6, PA 66, Specialty Formulations	CESA", Complēt", Edgetek" PKE, Maxxam" FR, Nymax", Nymax" PIR, Remafin", Renol", Smartbatch" FX
Celanese	PA 6, PA 66, PA 612, PA 66/6 Copolymer, PA 66/6T Copolymer, TPC-ET	Crastin®, Hytrel®, Zytel®, Zytel® HTN
Chevron Phillips	HDPE	Marlex®
Covestro	PC+TPU, TPU Polyester, TPU Polyether	Texin®
Dow	HDPE	DOWLEX®
DuPont	Acetal (POM)	Delrin®
INVISTA	PP Copolymer	INVISTA"
GEON Performance Solutions	PP Compounds	GEON®
INEOS Styrolution	ABS, ASA, PC+ABS	Luran® S, Novodur®
LyondellBasell	PP Compounds, PP Copolymer	Hostacom®, Pro-fax®
Pinnacle Polymers	PP Copolymer	Pinnacle PP
RheTech, Inc.	PP Compounds, TPO Compounds	RheComp
Trinseo	PC+PET, PP, PS	EMERGE", INSPIRE", IR STYRON"
Trinseo	AAcrylic (PMMA), PC+ABS, PC+PET, PP, PS	EMERGE", INSPIRE", IR STYRON", Plexiglas®, Plexiglas® Frosted, Plexiglas® Reflect"

The trademarks and brand names referenced in the chart above are owned by the suppliers set forth across from such trademarks and brand names.

Take The Next Step

Visit **Formerra.com** to:

- Explore solutions by material properties, industries, and suppliers
- Register for an account to gain access to personalized information, ordering, and more!

We're Here To Help

For general inquiries or customer service Call **1.888.502.0951**Email **inquiries@formerra.com**

For polymer technical support Call **1.866.765.9824** Email **phd@formerra.com**

Capabilities

Design Support

Market Intelligence

Material Selection

Custom Formulations

Manufacturing Optimization

Technical Support

Supply Chain Optimization

Regulatory Compliance Support

Global Reach

Copyright © 2023, Formerra, LLC. All the information in this literature is for general information purpose only. Formerra makes no representations, guarantees, or warranties of any kind with respect to the information contained in this literature, including its accuracy, completeness, reliability, surfacilicular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum maximum properties, consult your sales representative for pricing, property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Formerra makes no warranties or guarantees respecting suitability of either Formerra's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. FORMERRA MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature or any other provided literatures shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner. Any action you take upon the information you find in this literature. But using this literature, we have they consent to this disclaimer and anger to its terms.